

Abstract

A first electrode and a second electrode are provided in separation on a main surface of a substrate made of a ferroelectric single crystal. A first voltage is applied to between the first electrode and the second electrode, for example on condition that the first electrode is positive and the second electrode is negative, to generate and grow a first polarization-inversed portion toward the second electrode from the first electrode. Then, the distance between the first electrode and the second electrode is changed, and a second voltage is applied to between the first electrode and the second electrode on the same condition, to generate and grow a second polarization-inversed portion, in a different area from that of the first polarization-inversed portion, toward the second electrode from the first electrode.

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